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Textile-Based Sensors: E-textiles, Devices, and Integrated Systems

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Deadline for manuscript submissions:

closed (31 July 2021)

Message from the Guest Editors

The aim of this Special Issue is to bring together innovative developments in a broad spectrum of sensors that utilizes textiles as wearable substrates or as an active component of the devices. Both review articles and original research papers are solicited. There is particular interest in papers envisioning innovative sensor applications that have not been possible with conventional rigid materials and form factors.

- E-textiles
- Smart textiles
- Materials and coatings for functional fibers
- Printed electronics/sensors
- Electronic yarns and novel fabric materials
- Technology transfer from fibers to the garment
- Sensor hardware system integration
- Packaging, wearability and user-acceptance
- Reliability, washability and durability
- Energy harvesting and power storage
- Hardware and software co-design
- Wearable healthcare prototypes and applications
- Rehabilitation, sensory monitoring and injury prevention
- Applications to fashion industries
- Internet of Things
- System energy/power management



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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